

Title (en)

METHOD FOR THE REESTERIFICATION OR ESTERIFICATION OF SIDE CHAINS IN POLYMERS

Title (de)

VERFAHREN ZUR UM- ODER VERESTERUNG VON SEITENKETTEN IN POLYMEREN

Title (fr)

PROCEDE D'ESTERIFICATION OU DE TRANSESTERIFICATION DE CHAINES LATERALES DE POLYMERES

Publication

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Application

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Abstract (en)

[origin: WO2007063037A2] The invention relates to a method for reesterifying or esterifying side chains in polymers. Said method comprises the following steps: a) a copolymer is produced which is obtained by polymerizing aa) at least one (meth)acrylate of general formula (I) as component A, wherein R¹ represents H or CH₃ while R² represents H or an alkyl radical that can be optionally substituted with functional groups such as acryl groups, ether groups, amino groups, epoxy groups, halogen groups, or sulfonic acid groups, and ab) at least one monomer of general formula (II) as component B, wherein R³ has the same meaning as R¹, R⁴ has the same meaning as R², and n = 1 to 40, and b) reesterifying or esterifying the carboxyl group containing the radical R⁴ with an alcohol in the presence of an enzyme catalyzing the reesterification or esterification process. The invention also relates to said polymers and the use thereof.

IPC 8 full level

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